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13 AUG 2002

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Liang et al.

Serial No. 10/070,560

Filed: March 8, 2002

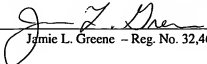
For: Method of Producing and Purifying
Endostatin Protein)
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)
) Art Unit: Not Yet Assigned
)
) Examiner: Not Yet Assigned
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)**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**Assistant Commissioner for Patents
Washington, DC 20231

Sir:

The citation of information on the attached Form PTO/SB/08 is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. A copy of each cited item is enclosed.

This Supplemental Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits (37 C.F.R. 1.97(b)(3)); therefore, no fee is believed to be required. However, if a first Office Action on the merits has issued, please consider this Information Disclosure Statement under 37 C.F.R. 1.97(c). The Commissioner is hereby authorized to charge the applicable fees, if any, to Deposit Account No. 11-0855.

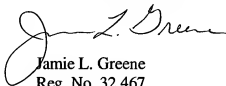
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
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Jamie L. Greene - Reg. No. 32,467

ATLLJ802 86774.1

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Respectfully submitted,



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Our Docket: 05213-0551US (43170-258385)



Substitute for Form 1449/A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application No.	10/070,560
Filing Date	03/08/2002
First Named Inventor	Liang et al.
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	05213-0551US (43170-258385)

Sheet	1	of	7
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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ²	Kind Code ³ (if known)			
	1	60/80728		MIXSON, James A.	06/27/2000	

Examiner Signature		Date Considered	
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	2	Author: Title: Chapter 12: Vectors for Gene Therapy Publ: _____ <u>Current Protocols in Human Genetics</u> Vol/Iss: Pages: Date: 1997	
	3	Author: BOUSSIF, O. et al. Title: A versatile vector for gene and oligonucleotide transfer into cells in culture and/or vivo: Polyethylenimine Publ: _____ <u>Proc. Natl. Acad. Sci. USA</u> Vol/Iss: 92 Pages: 7297-7301 Date: 08/1995	
	4	Author: CALOS, MICHELE P. Title: The potential of extrachromosomal replicating vectors for gene therapy Publ: _____ <u>TIG</u> Vol/Iss: 12 (11) Pages: 463-466 Date: 11/1996	
	5	Author: CHEN, P. et al. Title: Genetic Mechanisms of Tumor Suppression by the Human p53 Gene Publ: _____ <u>Science</u> Vol/Iss: 250 Pages: 1576-1579 Date: 12/1990	
	6	Author: CHENG, PI-WAN Title: Receptor Ligand-Facilitated Gene Transfer: Enhancement of Liposome-Mediated Gene Transfer and Expression by Transferrin Publ: _____ <u>Human Gene Therapy</u> Vol/Iss: 7 Pages: 275-282 Date: 02/10/199	
	7	Author: CLAPP, C. et al. Title: The 16-kilodalton N-terminal Fragment Of Human Prolactin Is A Potent Inhibitor Of Angiogenesis Publ: _____ <u>Endocrinology</u> Vol/Iss: 133 Pages: 1292-1299 Date: 03/01/93	
	8	Author: DAMERON, K.M. et al. Title: Control of Angiogenesis in Fibroblasts by p53 Regulation of Thrombospondin-1 Publ: _____ <u>Science</u> Vol/Iss: 265 Pages: 1582-1584 Date: 09/09/94	

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	9	Author: DARDIK, R. et al. Title: The structure of endothelial cell thrombospondin - Characterization of the heparin-binding domains Publ: Eur J Biochem Vol/Iss: 168 (2) Pages: 347-355 Date: 10/15/198	
	10	Author: DEBS, R.J. et al. Title: Regulation of Gene Expression <i>in Vivo</i> by Liposome-mediated Delivery of a Purified Transcription Factor Publ: The Journal of Biological Chemistry Vol/Iss: 265 (18) Pages: 10189-10192 Date: 06/25/199	
	11	Author: DIXIT, V.M. et al. Title: A monoclonal antibody against human thrombospondin inhibits platelet aggregation Publ: Proc. Natl. Acad. Sci. USA Vol/Iss: 82 Pages: 3472-3476 Date: 05/1985	
	12	Author: FAN et al. Title: Controlling the vasculature: angiogenesis, anti-angiogenesis and vascular targeting of gene therapy Publ: Trends in Pharmacological Sciences Vol/Iss: 16 (2) Pages: 57-66 Date: 02/95	
	13	Author: FIDLER et al. Title: The Implications of Angiogenesis for the Biology and Therapy of Cancer Metastasis Publ: Cell Vol/Iss: 79(2) Pages: 185-188 Date: 10/21/94	
	14	Author: FUJIWARA, T. et al. Title: Induction of Chemosensitivity in Human Lung Cancer Cells <i>in Vivo</i> by Adenovirus-mediated Transfer of the <i>Wnt-1</i> Type 3 Gene Publ: Cancer Research Vol/Iss: 54 Pages: 2287-2291 Date: 05/01/199	
	15	Author: GOLDMAN, C.K. et al. Title: In vitro and in vivo gene delivery mediated by a synthetic polycationic amino polymer Publ: Nature Biotechnology Vol/Iss: 15 Pages: 462-466 Date: 05/1997	

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	16	Author: HAWKINS, MICHAEL J. Title: Clinical trials of antiangiogenic agents Publi: <u>M.D.</u> Current Opinion in Oncology Vol/Iss: 7 Pages: 90-93 Date: 1995				
	17	Author: KING, RALPH D. Jr. Title: Novel Cancer Approach From Novel Scientist Hits Stumbling Block Publi: <u>Wall Street Journal</u> Vol/Iss: Pages: A1, A8 Date: 11/12/199				
	18	Author: KOSFELD, M.D. et al. Title: Identification of a New Cell Adhesion Motif in Two Homologous Peptides from the COOH-terminal Cell Binding Domain on Human Thrombospondin Publi: <u>The Journal of Biological Chemistry</u> Vol/Iss: 268 (12) Pages: 8808-8814 Date: 1993				
	19	Author: LESOON-WOOD, L.A. et al. Title: Systemic Gene Therapy with p53 Reduces Growth and Metastases of a Malignant Human Breast Tumor in Nude Mice Publi: <u>Human Gene Therapy</u> Vol/Iss: 6 Pages: 395-405 Date: 04/1995				
	20	Author: MAIONE, T.E. et al. Title: Inhibition of Tumor Growth in Mice by an Analogue of Platelet Factor 4 That Lacks Affinity for Heparin and Retains Potent Angiostatic Activity Publi: <u>Cancer Research</u> Vol/Iss: 51 Pages: 2077-2083 Date: 04/15/199				
	21	Author: MARSHALL, ELIOT Title: Gene Therapy's Growing Pains Publi: <u>Science</u> Vol/Iss: 269 Pages: 1050-1055 Date: 08/25/199				
	22	Author: MILLAUER, B. et al. Title: Glioblastoma growth inhibited in vivo by a dominant-negative Flk-1 mutant Publi: <u>Nature</u> Vol/Iss: 367 Pages: 576-579 Date: 02/10/94				

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	23	Author: O'REILLY et al. Title: Angiostatin: A Novel Angiogenesis Inhibitor that Mediates the Suppression of Metastases by a Lewis Lung Carcinoma Publ: _____ Cell Vol/Iss: 79 Pages: 315-328 Date: 10/21/94	
	24	Author: O'REILLY et al. Title: Endostatin: An Endogenous Inhibitor of Angiogenesis and Tumor Growth Publ: _____ Cell Vol/Iss: 88 Pages: 277-285 Date: 01/24/97	
	25	Author: PARK et al. Title: Development of liposome- and anti-HER2 immunoliposome plasmid complexes for efficient and selective gene therapy Publ: _____ Proceedings of the American Association for Cancer Research Vol/Iss: 38 Pages: 342 Date: 03/1997	
	26	Author: PASQUALINI, R. et al. Title: on integrins as receptors for tumor targeting by circulating ligands Publ: _____ Nature Biotechnology Vol/Iss: 15 Pages: 542-546 Date: 06/1997	
	27	Author: PASQUALINI, R. et al. Title: Organ targeting in vivo using phage display peptide libraries Publ: _____ Nature Vol/Iss: 380 Pages: 364-166 Date: 03/28/199	
	28	Author: SAIKI et al. Title: Inhibition of Tumor Angiogenesis by a Synthetic Cell-adhesive Polypeptide Containing the Arg-Gly-Asp (RGD) Sequence of Fibronectin, Poly(RGD) Publ: _____ Jpn. J. Cancer Research Vol/Iss: 81 Pages: 668-675 Date: 1990	
	29	Author: SAKAMOTO, N. et al. Title: Inhibition of Angiogenesis And Tumor Growth By A Synthetic Laminin Peptide. Cdpvgysr-nh2 Publ: _____ Cancer Research Vol/Iss: 51 Pages: 903-906 Date: 02/01/91	

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	30	<p>Author: SHEIKH et al. Title: Overexpression of p21WAF1/CIP1 induces growth arrest, giant cell formation and apoptosis in human breast carcinoma cell lines</p> <p>Publ: Oncogene Vol/Iss: 11 Pages: 1899-1905 Date: 1995</p>	
	31	<p>Author: TANAKA, T. et al. Title: Viral vector-mediated transductions of a modified platelet factor 3 cDNA inhibits angiogenesis and tumor growth</p> <p>Publ: Nature Medicine Vol/Iss: 3 Pages: 437-442 Date: 04/1997</p>	
	32	<p>Author: TOLSMAN, S.S. et al. Title: Peptides Derived From Two Separate Domains Of The Matrix Protein Thrombospondin-1 Have Antiangiogenic Activity</p> <p>Publ: Journal of Cell Biology Vol/Iss: 122 Pages: 497-511 Date: 07/1993</p>	
	33	<p>Author: WEINSTAT-SASLOW, D.L. et al. Title: Transfection of Thrombospondin 1 Complementary DNA into a Human Breast Carcinoma Cell Line Reduces Primary Tumor Growth, Metastatic Potential, and</p> <p>Publ: Cancer Research Vol/Iss: 54 Pages: 6504-6511 Date: 1994</p>	
	34	<p>Author: XU, M. et al. Title: In Vivo Gene Therapy with a Cationic Polymer Markedly Enhances the Antitumor Activity of Antiangiogenic Genes</p> <p>Publ: Molecular Genetics and Metabolism Vol/Iss: 64 Pages: 001-005 Date: 1998</p>	
	35	<p>Author: XU, M. et al. Title: Gene Therapy with P53 and a Fragment of Thrombospondin 1 Inhibits Human Breast Cancer <i>In Vivo</i></p> <p>Publ: Molecular Genetics and Metabolism Vol/Iss: 63 Pages: 103-109 Date: 1998</p>	
	36	<p>Author: XU, M. et al. Title: Parenteral Gene Therapy with p53 Inhibits Human Breast Tumors <i>In Vivo</i> Through a Bystander Mechanism Without Evidence of Toxicity</p> <p>Publ: Human Gene Therapy Vol/Iss: 8 Pages: 177-185 Date: 01/20/199</p>	

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Substitute for Form 1449/A/PTO				<div style="border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;"> RECEIVED AUG 13 2002 UNITED STATES PATENT & TRADEMARK OFFICE </div>	
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	37	Author: ZABRENETZKY, V. et al. Title: EXPRESSION OF THE EXTRACELLULAR MATRIX MOLECULE THROMBOSPONDIN INVERSELY CORRELATES WITH MALIGNANT PROGRESSION IN MELANOMA, LUNG AND BREAST CARCINOMA. <i>Cell</i> Pub: Int. J. Cancer Vol/Iss: 59 Pages: 191-195 Date: 1994			
	38	Author: ZHU, N. et al. Title: Systemic Gene Expression After Intravenous DNA Delivery into Adult Mice Pub: Science Vol/Iss: 261 Pages: 209-211 Date: 07/09/199			

Examiner Signature	/Shulamith Shafer/	Date Considered	08/27/2008
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